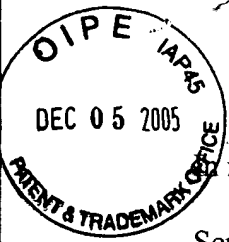


103 Rec'd PCT/PTO 05 DEC 2005 PCT



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re the Application of: **ARAI, Youichi, et al.**

Group Art Unit:

Serial No.: **10/551,383**

Examiner: **Not yet assigned**

Filed: **September 29, 2005**

For: **METHOD FOR ESTIMATING RESIDUAL DISCHARGE CAPACITY
OF BATTERY AND APPARATUS FOR THE SAME**

INFORMATION DISCLOSURE STATEMENT
PURSUANT TO 37 CFR 1.97(b)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

December 5, 2005

Sir:

The attention of the Patent and Trademark Office is hereby directed to the document listed on the attached Form PTO-1449. A copy of the document is attached.

No fee or certification is required in connection with this Information Disclosure Statement, since it is being submitted prior to the issuance of a first official action on the merits or expiration of the three month period following the filing date or the entry of the national stage of the above-captioned application.

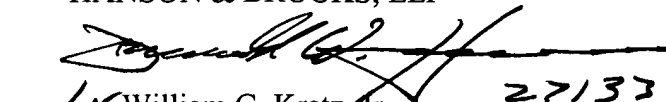
The above information is presented so that the Patent and Trademark Office can, in the first instance, determine any materiality thereof to the claimed invention. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the documents cited in the attached Form PTO-1449 be made of record therein and appear on the first page of any patent to issue therefrom.

The Commissioner is authorized to charge our Deposit Account No. 01-2340 for any fee which is deemed by the Patent and Trademark Office to be required to effect consideration of this statement.



Respectfully submitted,

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PATENT TRADEMARK OFFICE

Enclosures: PTO-1449 and reference (1)

**INFORMATION
DISCLOSURE
CITATION
PTO-1449**

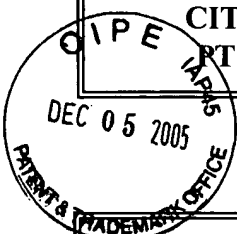
Atty. Docket No. **050640**

Serial No. **10/551,383**

Applicant(s): **ARAI, Youichi, et al.**

Filing Date: **September 29, 2005**

Group Art Unit:



U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Name	Date	Class	Subclass	Filing Date (If appropriate)
_____	AA					
_____	AB					
_____	AC					
_____	AD					
_____	AE					

FOREIGN PATENT DOCUMENTS

Document No.	Date	Country	Translation (Yes or No)
_____ AF 2002-236157	8/23/02	JP	Abstract only
_____ AG			
_____ AH			
_____ AI			
_____ AJ			

OTHER DOCUMENTS

_____ AK	
_____ AL	
Examiner	Date Considered